

Appl. No. 10/294,024
Amdt. Dated 01/25/2007
Reply to Office action of 10/25/2006

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of the Claims

1. (Original) An equalization method for a single carrier wireless transmitter apparatus, comprising: determining a channel impulse response; calculating coefficients for at least one time domain filter in a decision feedback equalizer based on the channel impulse response; and selecting a subset of calculated coefficients for the time domain filter in the DFE.

2. (Original) Apparatus for equalizing single carrier single burst signals, comprising: circuitry for estimating a channel impulse response; circuitry for determining filter coefficient for a decision feedback equalizer having sufficient length to cover a maximum anticipated channel impulse response; and circuitry for selecting a subset of the coefficients with a number of coefficients less than the total number of calculated coefficients; wherein the decision feedback equalizer utilizes the subset of filter coefficients.